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Course Tools

Course Links

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Module 2

Nature of Science

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Teaching Strategies - Part 1

Module 3

Use of Technology

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Module 4

Science Laboratories

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Teaching Strategies: Reinforcement and Inquiry Learning

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Course Modules

Course Documents

Assignments

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Course Tools

Course Links

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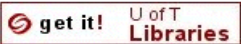
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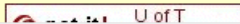
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Yarwood, Stephanie A.; Sulzman, Elizabeth W.
Journal of Natural Resources and Life Sciences Education; v37 p53-58 2008
High diversity of **microorganisms** in the soil matrix has been the focus of extensive research in the fields of soil biology and microbial ecology, and is a key concept that students in the environmental or biological sciences should understand. ...
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A Conceptual Model (The Six Mirrors of the Classroom) and It's Application to Teaching and Learning About Microorganisms

Journal of Science Education and Technology (February 2009), 18 (1), pg. 85-100

Mahmood Khalil; Reuven Lazarowitz; Rachel Hertz-Lazarowitz

Learning unit microorganisms | STEPS (science-technology-environment-peace-society) | Six mirrors of the classroom | Small group instruction | Inquiry

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A Conceptual Model (Application to Teaching)

Mahmood Khalil · Reuven Lazarowitz
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Published online: 11 November 2008
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Abstract In this paper a conceptual model of instruction “the six mirrors of the classroom” used as a frame for teaching a learning topic, the microorganisms are depicted. The paper consists of four sections: (a) the six mirrors of the classroom model (SMC); (b) the SMC as implemented in the expository and cooperative modes of instruction in classrooms and results; (c) a “Journey of Inquiry into the Wonderful World of Microorganisms” (JIWWM), developed according to the Science–Technology–Environment–Peace–Society (STEPS) approach; and (d) teaching and learning the JIWWM, in ninth-grade classes, within the

Keywords Learning unit microorganisms · STEPS (science–technology–environment–peace–society) · Six mirrors of the classroom · Small group instruction · Inquiry

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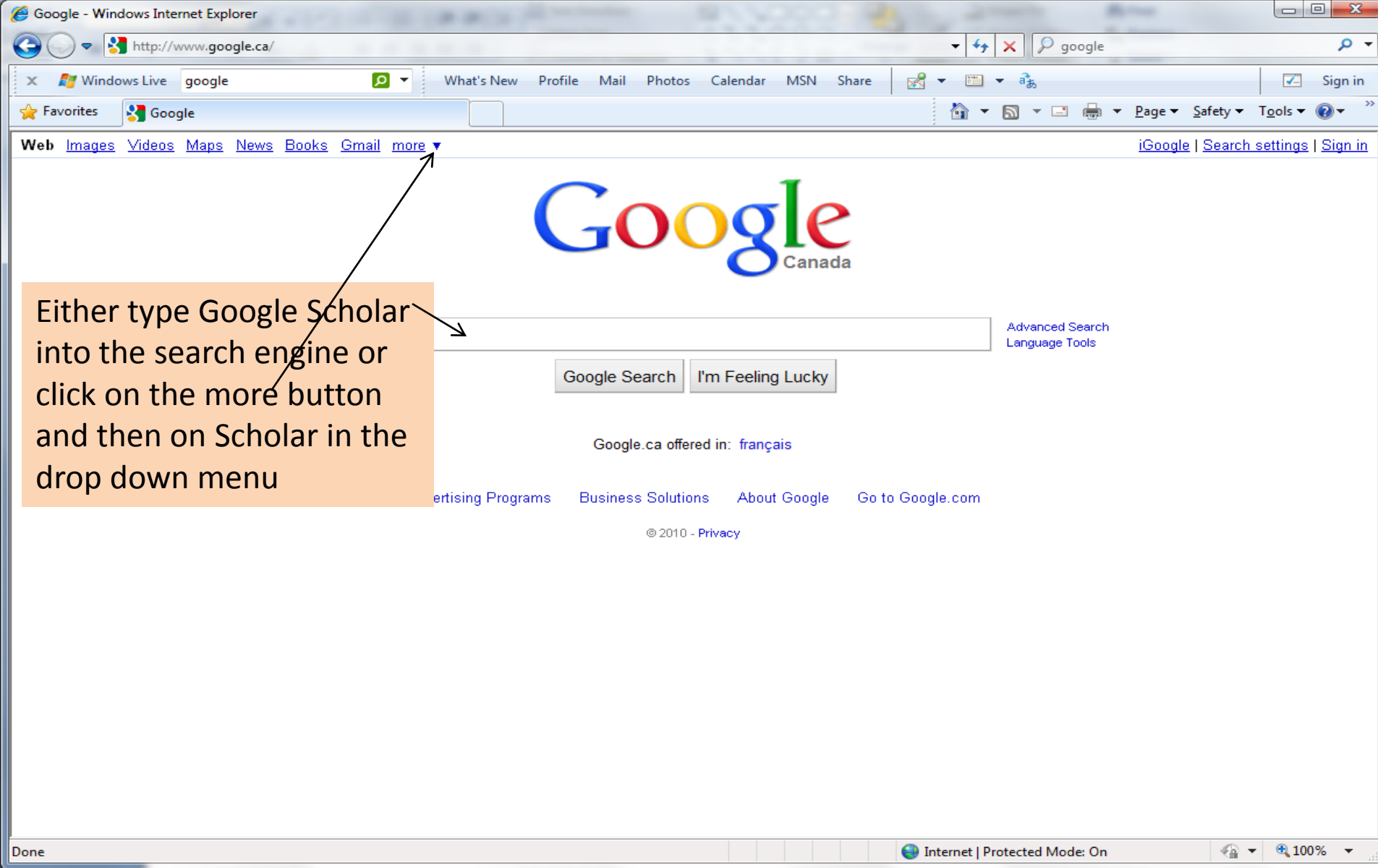
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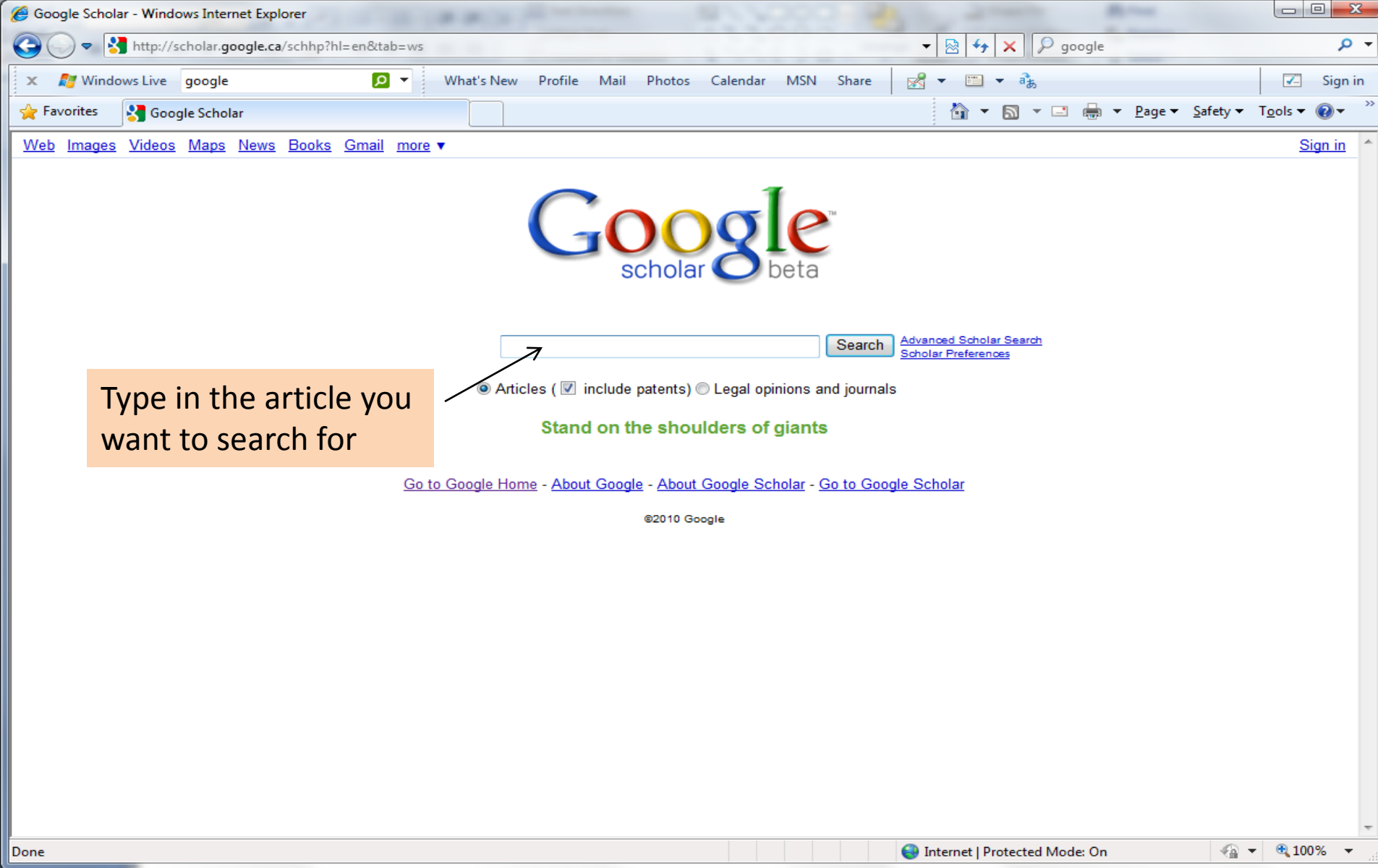
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